

CLAIM AMENDMENTS

1-18 (canceled)

19. (currently amended) A door lock comprising:

a lock case,

a latch bolt having a body part at least partly within the lock case and at least one outwardly tapering wedge-shaped headpiece pivotably supported by the body part and extending at least partly from the lock case so that the latch bolt may be pressed into the lock case from either side thereof in the direction of door opening or closing due to a force acting upon said at least one wedge-shaped headpiece,

a first spring urging the latch bolt to a position protruding from the lock case,

an auxiliary bolt,

a second spring urging the auxiliary bolt to a position protruding from the lock case,

a guide element which is movable relative to the lock case between a position in which it provides deadlocking of the latch bolt and a position in which it permits the latch bolt to be pressed into the lock case to its retracted position, and

a stop member supported by the auxiliary bolt, which stop member is movable relative to the auxiliary bolt between a position in which the stop member acts upon the guide element and prevents the guide element moving to the position providing deadlocking of the latch bolt, while the auxiliary bolt is in its protruding position, and a position in which the stop member allows the guide element to move to its position providing the deadlocking of the latch bolt,

and wherein the stop member is urged by a spring to the position in which it allows the guide element to move and the stop member allows the guide element to move to the position providing deadlocking of the latch bolt only in case both the auxiliary bolt and the latch bolt are first moved to their retracted positions.

20. (canceled)

21. (previously presented) A door lock according to claim 19, comprising a guiding piece attached to the lock case, which guiding

piece limits movement of the stop member and guides movement of the auxiliary bolt.

22. (currently amended) A door lock ~~according to claim 21,~~
comprising:

a lock case,

a latch bolt having a body part at least partly within the lock case and at least one outwardly tapering wedge-shaped headpiece pivotably supported by the body part and extending at least partly from the lock case so that the latch bolt may be pressed into the lock case from either side thereof in the direction of door opening or closing due to a force acting upon said at least one wedge-shaped headpiece,

a first spring urging the latch bolt to a position protruding from the lock case,

an auxiliary bolt,

a second spring urging the auxiliary bolt to a position protruding from the lock case,

a guide element which is movable relative to the lock case between a position in which it provides deadlocking of the latch bolt and a position in which it permits the latch bolt to be pressed into the lock case to its retracted position,

a stop member supported by the auxiliary bolt, which stop member is movable relative to the auxiliary bolt between a position in which the stop member acts upon the guide element and prevents the guide element moving to the position providing deadlocking of the latch bolt, while the auxiliary bolt is in its protruding position, and a position in which the stop member allows the guide element to move to its position providing the deadlocking of the latch bolt, and

a guiding piece attached to the lock case, which guiding piece limits movement of the stop member and guides movement of the auxiliary bolt,

and wherein the stop member is turnable relative to said guiding piece and has a guiding edge which cooperates with the guide element, and

the stop member allows the guide element to move to the position providing deadlocking of the latch bolt only in case both the

auxiliary bolt and the latch bolt are first moved to their retracted positions.

23. (previously presented) A door lock according to claim 22, wherein the guiding piece has mutually inclined guide surfaces between which the stop member is located.

24. (previously presented) A door lock according to claim 19, wherein the guide element has an abutment surface that is engaged by the stop member when the stop member prevents the guide element moving to the position providing deadlocking of the latch bolt and the guide element has a protrusion that prevents the stop member moving clear of said abutment surface while the latch bolt and the auxiliary bolt are in their protruding positions.

25. (previously presented) A door lock according to claim 24, wherein the latch bolt has a guide surface which engages the guide element for moving the guide element so as to release the stop member from said recess when the latch bolt is pressed into the lock case.

26. (currently amended) A door lock ~~according to claim 25,~~
wherein comprising:

a lock case,

a latch bolt having a body part at least partly within the lock case and at least one outwardly tapering wedge-shaped headpiece pivotably supported by the body part and extending at least partly from the lock case so that the latch bolt may be pressed into the lock case from either side thereof in the direction of door opening or closing due to a force acting upon said at least one wedge-shaped headpiece,

a first spring urging the latch bolt to a position protruding from the lock case,

an auxiliary bolt,

a second spring urging the auxiliary bolt to a position protruding from the lock case,

a guide element which is movable relative to the lock case between a position in which it provides deadlocking of the latch bolt

and a position in which it permits the latch bolt to be pressed into the lock case to its retracted position, and

a stop member supported by the auxiliary bolt, which stop member is movable relative to the auxiliary bolt between a position in which the stop member acts upon the guide element and prevents the guide element moving to the position providing deadlocking of the latch bolt, while the auxiliary bolt is in its protruding position, and a position in which the stop member allows the guide element to move to its position providing the deadlocking of the latch bolt,

and wherein the stop member allows the guide element to move to the position providing deadlocking of the latch bolt only in case both the auxiliary bolt and the latch bolt are first moved to their retracted positions,

the guide element has an abutment surface that is engaged by the stop member when the stop member prevents the guide element moving to the position providing deadlocking of the latch bolt,

the guide element has a protrusion that prevents the stop member moving clear of said abutment surface while the latch bolt and the auxiliary bolt are in their protruding positions,

the protrusion bounds a recess in which the stop member is retained when it engages the abutment surface,

the latch bolt has a guide surface which engages the guide element for moving the guide element so as to release the stop member from said recess when the latch bolt is pressed into the lock case,

the latch bolt includes a deadlocking member that the guide element acts upon in order to provide deadlocking of the latch bolt, and

said guide surface is a surface of a deadlocking member.

27. (previously presented) A door lock according to claim 19, wherein the guide element is formed with a recess in which the stop member is located when the stop member is in the position in which it prevents the guide element moving to the position providing deadlocking of the latch bolt, and the guide element has a protrusion that prevents movement of the stop member from the location in the recess while the latch bolt and the auxiliary bolt are in their protruding positions.

28. (previously presented) A door lock according to claim 19 further comprising a dead bolt, and wherein said guide element cooperates with the dead bolt to guide movement of the dead bolt between a protruding position and a retracted position.

29. (currently amended) A door lock comprising:
a lock case,
a latch bolt movable relative to the lock case against spring force from a protruding position to a retracted position,
an auxiliary bolt movable relative to the lock case against spring force from a protruding position to a retracted position,
a guide element which is movable relative to the lock case between a position in which it provides deadlocking of the latch bolt and a position in which it permits the latch bolt to move freely between its protruding position and its retracted position, and
a stop member supported by the auxiliary bolt, which stop member ~~is movable~~ turns relative to the ~~auxiliary bolt lock case~~ lock case between a first position in which the stop member acts upon the guide element and prevents the guide element moving to the position providing deadlocking of the latch bolt, while the auxiliary bolt is in its protruding position, and a second position in which the stop member allows the guide element to move to the position providing deadlocking of the latch bolt,

and wherein if the latch bolt is in its protruding position the guide element may assume a position intermediate the position in which it provides deadlocking of the latch bolt and the position in which it permits the latch bolt to move freely between its protruding position and its retracted position, in said intermediate position the guide element prevents the stop member moving from the first position to the second position, and in the event that the latch bolt is pressed into the lock case to its retracted position while the guide element is in its intermediate position the guide element is moved to the position in which it permits the latch bolt to move freely between its protruding position and its retracted position,

whereby upon sequentially moving the latch bolt to its retracted position, moving the auxiliary bolt to its retracted position, and moving the latch bolt to its protruding position, the guide element

can move to the position in which it provides deadlocking of the latch bolt.

30. (previously presented) A door lock according to claim 29, wherein the guide element includes a body part and a protrusion that projects from the body part and abuts the stop member when the guide element is in the intermediate position and the stop member is in the first position, whereby the stop member prevents the guide element moving to the position providing deadlocking of the latch bolt, and in the event that the stop member is in the second position, the stop member is clear of the protrusion and allows the guide element to move to the position providing deadlocking of the latch bolt.

31. (previously presented) A door lock according to claim 30, wherein the protrusion of the guide element includes a retaining part that prevents the stop member moving from the first position to the second position in the event that the guide element is in the intermediate position.

32. (currently amended) A door lock ~~according to claim 29,~~ comprising:

a lock case,

a latch bolt movable relative to the lock case against spring force from a protruding position to a retracted position,

an auxiliary bolt movable relative to the lock case against spring force from a protruding position to a retracted position,

a guide element which is movable relative to the lock case between a position in which it provides deadlocking of the latch bolt and a position in which it permits the latch bolt to move freely between its protruding position and its retracted position, and

a stop member supported by the auxiliary bolt, which stop member is movable relative to the auxiliary bolt between a first position in which the stop member acts upon the guide element and prevents the guide element moving to the position providing deadlocking of the latch bolt, while the auxiliary bolt is in its protruding position, and a second position in which the stop member allows the guide element to move to the position providing deadlocking of the latch bolt, and

a spring urging the stop member from the first position to the second position.

and wherein if the latch bolt is in its protruding position the guide element may assume a position intermediate the position in which it provides deadlocking of the latch bolt and the position in which it permits the latch bolt to move freely between its protruding position and its retracted position, in said intermediate position the guide element prevents the stop member moving from the first position to the second position, and in the event that the latch bolt is pressed into the lock case to its retracted position while the guide element is in its intermediate position the guide element is moved to the position in which it permits the latch bolt to move freely between its protruding position and its retracted position.

whereby upon sequentially moving the latch bolt to its retracted position, moving the auxiliary bolt to its retracted position, and moving the latch bolt to its protruding position, the guide element can move to the position in which it provides deadlocking of the latch bolt.

33. (canceled)

34. (previously presented) A door lock according to claim 29, wherein the latch bolt includes a deadlocking member that engages the guide element when the guide element is in the position providing deadlocking of the latch bolt and whereby the guide element provides deadlocking of the latch bolt.

35. (previously presented) A door lock according to claim 34, wherein in the event that the latch bolt is pressed into the lock case while the guide element is in its intermediate position, the deadlocking member of the latch bolt engages the guide element and moves the guide element to the position in which it permits the latch bolt to move freely between its protruding position and its retracted position.

36. (previously presented) A door lock according to claim 29, further comprising a dead bolt movable relative to the lock case between a protruding position and a retracted position, and wherein

the guide element cooperates with the dead bolt for moving the dead bolt between its retracted position and its protruding position.